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PTO/SB/51 (12-97)

Approved for use through 9/30/00. OMB 0651-0033

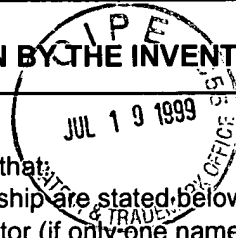
Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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REISSUE APPLICATION DECLARATION BY THE INVENTOR

Docket Number (Optional)

VN418 BI



As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is described and claimed in patent number 5,617,418, granted April 1, 1997, and for which a reissue patent is sought on the invention entitled Network Link Detection

Generation
the specification of which

☐ is attached hereto.

☒ was filed on April 1, 1999 as reissue application number 09/1286,679
and was amended on _____
(If applicable)

I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR 1.56.

I verily believe the original patent to be wholly or partly inoperative or invalid, for the reasons described below. (Check all boxes that apply.)

☐ by reason of a defective specification or drawing.

☒ by reason of the patentee claiming more or less than he had the right to claim in the patent.

☐ by reason of other errors.

At least one error upon which reissue is based is described as follows:

By claiming only claims 1-13, which is less than the full right to claim in the patent, additional claims are added, for example, see claim 14 in the reissue application. This error is relied upon to support the reissue application.

[Page 1 of 3]

Burden Hour Statement: This form is estimated to take 0.5 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

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(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)		Docket Number (Optional) YN418RI	
All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.			
Name(s)		Registration Number	
<u>Alan R. Loudermilk</u>		<u>32,788</u>	
Correspondence Address: Direct all communications about the application to:			
<input type="checkbox"/> Customer Number		→	
OR		Type Customer Number here	
Place Customer Number Bar Code Label here			
<input type="checkbox"/> Firm or Individual Name			
<u>Loudermilk & Associates</u>			
Address			
<u>10950 N. Blaney Ave., Ste. B</u>			
Address			
City		State	ZIP
<u>Cupertino</u>		<u>CA</u>	<u>95014</u>
Country			
<u>U.S.A.</u>			
Telephone		Fax	
<u>408-342-1864</u>		<u>408-342-1868</u>	
I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.			
Full name of sole or first inventor (given name, family name)			
<u>Ramin Shiraniki</u>			
Inventor's signature			
Residence		Date	
Post Office Address		Citizenship	
Full name of second joint inventor (given name, family name)			
<u>Brian C. Edem</u>			
Inventor's signature		Date	
<u>[Signature]</u>		<u>5/4/99</u>	
Residence		Citizenship	
<u>1058 Happy Valley Ave</u>		<u>US</u>	
Post Office Address			
<u>1058 Happy Valley Ave San Jose CA</u>			
Full name of third joint inventor (given name, family name)			
Inventor's signature		Date	
Residence		Citizenship	
Post Office Address			
<input type="checkbox"/> Additional joint inventors are named on separately numbered sheets attached hereto.			

(REISSUE APPLICATION DECLARATION BY THE INVENTOR, page 2)		Docket Number (Optional) YN418 RI	
All errors corrected in this reissue application arose without any deceptive intention on the part of the applicant. As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.			
Name(s) <u>Alan R. Loudermilk</u>		Registration Number <u>32,788</u>	
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 60%;"> <p>Correspondence Address: Direct all communications about the application to:</p> <p><input type="checkbox"/> Customer Number →</p> <p>OR Type Customer Number here</p> </div> <div style="width: 35%; border: 1px solid black; padding: 5px; text-align: center;"> <p>Place Customer Number Bar Code Label here</p> </div> </div>			
<input type="checkbox"/> Firm or Individual Name <u>Loudermilk & Associates</u>			
Address <u>10950 N. Blaney Ave., Ste. B</u>			
Address			
City <u>Cupertino</u>		State <u>CA</u> ZIP <u>95014</u>	
Country <u>U.S.A.</u>			
Telephone <u>408-342-1864</u>		Fax <u>408-342-1868</u>	
<p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine and imprisonment, or both, under 18 U.S.C. 1001, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this declaration is directed.</p>			
Full name of sole or first inventor (given name, family name) <u>Ramin Shigani</u>			
Inventor's signature <u>Ramin Shigani</u>			
Residence <u>15003 Osborne Ct.</u>		Date <u>7/10/99</u>	
Post Office Address <u>Morgan Hill CA 95037</u>		Citizenship <u>U.S.</u>	
Full name of second joint inventor (given name, family name) <u>Brian C. Edlem</u>			
Inventor's signature <u>Brian C. Edlem</u>		Date <u>5/4/99</u>	
Residence <u>1058 Happy Valley Ave</u>		Citizenship <u>US</u>	
Post Office Address <u>1058 Happy Valley Ave San Jose CA</u>			
Full name of third joint inventor (given name, family name)			
Inventor's signature		Date	
Residence		Citizenship	
Post Office Address			
<input type="checkbox"/> Additional joint inventors are named on separately numbered sheets attached hereto.			

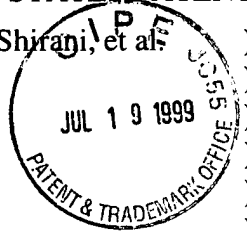
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Reissue Application of: Shirani, et al.

Application No.: 09/286,679

Filed: April 1, 1999

For: NETWORK LINK DETECTION AND
GENERATION



) Examiner:

) Group Art Unit: 2731

Assistant Commissioner for Patents
Washington, D.C. 20231

CONSENT OF ASSIGNEE TO REISSUE

In accordance with the provisions of 37 CFR 1.172, Vertical Networks Inc., assignee of U.S. Patent No. 5,617,418, consents to the filing of Reissue Application No. 09/286,679 for the Reissue of U.S. Patent No. 5,617,418. Vertical Networks Inc. further assents to the filing of the Reissue Oaths by the inventors thereof.

Vertical Networks Inc.

Date: 5/3/99

By:

Name:

Title:

A handwritten signature in black ink, appearing to read "Scott K. Pickett".

Scott K. Pickett

Chief Technology Officer
Vice President of Engineering

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Reissue Application of: Shirani, et al.)
) Examiner:
 Application No.: 09/286,679)
)
 Filed: April 1, 1999) Group Art Unit: 2731
)
 For: NETWORK LINK DETECTION AND)
 GENERATION)

Assistant Commissioner for Patents
Washington, D.C. 20231

ESTABLISHING RIGHT OF ASSIGNEE TO TAKE ACTION PURSUANT TO 37 CFR 3.73(b)

Assignee, Vertical Networks Inc., a corporation located in Santa Clara, California, certifies that it is the assignee of the entire right, title, and interest in the reissue patent application identified above by virtue of the chain of title from the inventors to the assignor, National Semiconductor Corporation, of U.S. Patent No. 5,617,418, to the current assignee as shown in the Assignment document recorded in the Patent and Trademark Office at Reel 9396, Frame 0689.

The undersigned has reviewed all the documents in the chain of title of the reissue patent application above, and to be best of the undersigned's knowledge and belief, title is in the above identified assignee.

The undersigned is empowered to sign the certificate on behalf of the assignee.

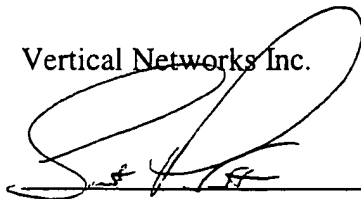
I declare that all statements made herein of my knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that

such willful false statements may jeopardize the validity of the reissue application or any patent issued thereon.

Vertical Networks Inc.

Date: 5/3/99

By:



Name: Scott K. Pickett

Title: Vice President of Engineering &
Chief Technology Officer